

Overview of SYBAC Meeting – 1/12/16

SYBAC Students present:

Caleb Beerbower, Southeast Polk HS
Brent Brain, Muscatine
Kaylee Daniels, Oskaloosa HS
Gabe Golberg, Mount Vernon HS
Austin Kallemeyn, Sioux Center Community HS
Zach Mass, Treynor Community HS
Bryce Snell, Ballard HS
Brookelyn Wahlert, CAM HS
Hunter Werner, Louisa-Muscatine Jr./Sr. Schools
Stephanie Lapointe, Newman Catholic HS

SYBAC Students absent:

Aaron Mark, Burlington HS

Discussion: *Hunter Werner* chaired the student-led discussion.

Interactive student conversations:

LiFi (Light Fidelity) - an alternative to Wi-Fi in some circumstances that use light as the transmission medium, and are supposedly capable of 1 Gb speeds. LiFi is a category of visible light communication. An LED light flickers at speeds undetectable to the naked eye to transmit data.

<http://www.forbes.com/sites/bernardmarr/2016/01/12/will-lifi-take-big-data-and-the-internet-of-things-to-a-new-level/>

New Yorkers get Free Wi-Fi - Starting in July, the city will start replacing its payphones with 7,500 tech kiosks.

<http://nypost.com/2016/01/10/new-yorkers-are-about-to-get-free-wi-fi/>

Discussion: What about free Wi-Fi for education users?

- With free Wi-Fi there may be security issues with devices. Need to be aware of the measures to protect your devices.
- Internet Service Providers (ISPs) may see providing free Wi-Fi for education as competition, but it is an economic development component.
- Schools have separate Wi-Fi accounts and passwords for teachers, students, and guests.

Social Media Privacy Discussion:

The Right to Be Forgotten - European Commission's proposal to create a new privacy right. Created a process for people to remove links to unwanted content from Google's search results. The law talks about how everyone has a right to data protection and privacy.

Routers helping police solve crimes using data collected by Wi-Fi devices

<http://www.dailymail.co.uk/sciencetech/article-3393878/Forget-fingerprints-ROUTERS-soon-help-police-solve-crimes-Data-collected-Wi-Fi-devices-identify-criminals.html>

Article describes how routers could be used by police to access data. Devices can log successful and failed attempts to log in, in addition, it can capture unique identifiers from devices.

Discussion Questions:

- Are there security or privacy concerns?
- What should/could police be able to gain?

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Wi-Fi-Connected, Motion-Sensing Safes - Security company First Alert announced a smart safe that can connect remotely to Wi-Fi and Bluetooth via iOS devices, and is unlocked via the company's Home app with a passcode or Touch ID. It's battery-operated.

<http://gizmodo.com/throw-your-valuables-in-this-wifi-connected-motion-sen-1751161511>

Double 2 Robotics: Zach shared that Green Hills AEA purchased a robotic system to help students who don't have the ability to be on-site when they are on extended leave. Treynor Community HS is testing with the robotics.

- Double gives a physical presence when students can't attend in person.

www.doublerobotics.com

Next meeting *Zach and Kaylee* will lead the in-person discussion in the Grimes State Office Building on February 9.